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Term:	<div>15 not 16 ▲ ▼</div>
Display:	<div>30 Documents in <u>Display Format:</u> CIT Starting with Number 1</div>
Generate:	<div><input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Image</div>

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Search History

Today's Date: 6/20/2000

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	15 not 16	11	<u>L8</u>
USPT	14 not 16	12	<u>L7</u>
USPT	14 and 15	8	<u>L6</u>
USPT	11 same 13	19	<u>L5</u>
USPT	12 same 13	20	<u>L4</u>
USPT	graphics adj2 (processor or engine or accelerat\$)	2668	<u>L3</u>
USPT	vector adj2 processor or vector adj2 processing	2343	<u>L2</u>
USPT	vector adj2 operation	1459	<u>L1</u>

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Generate Collection

L8: Entry 4 of 11

File: USPT

Aug 4, 1998

DOCUMENT-IDENTIFIER: US 5790854 A

TITLE: Efficient stack utilization for compiling and executing nested if-else constructs in a vector data processing system

BSPR:

Data processing systems which execute vector operations are becoming increasingly popular in many data intensive application including those in the areas of fuzzy logic, neural network, and graphics accelerator applications due to their considerable performance and cost benefits. Additionally, with the increased execution of vector operations, the corresponding difficulty of programming data processors to execute operations in parallel has proportionally increased. In particular, compilers required to translate a programmers language into code comprehensible by the data processor have encountered a number of obstacles.

Reason

5,600,811

Mark Laisobar

954-925-1100

08/969,702

1-9 (allow)